

SEQUENCE LISTING

a1
<110> KONISHI, Yasuo
SLON, Jacek

<120> TRIVALENT THROMBIN INHIBITOR

<130> 2139-11"US" CC

<140> US09/529,232

<141> 2000-10-04

<150> PCT/CA97/00745

<151> 1997-10-15

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> fibrinogen recognition exosite blocking segment

<221> VARIANT

<222> (10)...(10)

<223> Xaa= "beta-cyclohexyl-alanine"

<221> VARIANT

<222> (11)...(11)

<223> Xaa= "D-glutamic acid"

<400> 1

Asp	Tyr	Glu	Pro	Ile	Pro	Glu	Glu	Ala	Xaa	Xaa
1				5					10	

<210> 2

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> S' sites blocking segment

<221> VARIANT

<222> (1)...(1)

<223> Xaa= "glycine, L-alanine, D-alanine,
2-aminoisobutyric acid, L-a-aminobutyric acid,
D-a-aminobutyric acid, L-norvaline, D-norvaline,
L-norleucine, D-norleucine, L-cysteine,
L-penicillamine, D-penicillamine, L-methionine,
D-methionine, L-valine, D-valine,
L-tert-butylglycine, D-tert-butylglycine,
L-isoleucine, D-isoleucine, L-leucine, D-leucine,

01 NOV -8 PM 1:48

RECEIVED
TECH CENTER 1600/2900

RECEIVED
NOV 23 2001
TECH CENTER 1600/2900

cyclohexylglycine, L-b-cyclohexylalanine,
 D-b-cyclohexylalanine, L-phenylglycine,
 D-phenylglycine, L-phenylalanine, D-phenylalanine,
 L-homophenylalanine, D-homophenylalanine,
 L-histidine, D-histidine, L-tryptophan,
 D-tryptophan, L-b-(2-thienyl)-alanine, and
 D-b-(2-thienyl)-alanine"

<221> VARIANT

<222> (3)...(3)

<223> Xaa= "glycine, L-alanine, D-alanine,
 2-aminoisobutyric acid, L-a-aminobutyric acid,
 D-a-aminobutyric acid, L-norvaline, D-norvaline,
 L-norleucine, D-norleucine, L-cysteine,
 L-penicillamine, D-penicillamine, L-methionine,
 D-methionine, L-valine, D-valine,
 L-tert-butylglycine, D-tert-butylglycine,
 L-isoleucine, D-isoleucine, L-leucine, D-leucine,
 cyclohexylglycine, L-b-cyclohexylalanine,
 D-b-cyclohexylalanine, L-phenylglycine,
 D-phenylglycine, L-phenylalanine, D-phenylalanine,
 homophenylalanine, histidine, L-tryptophan,
 D-tryptophan, L-b-(2-thienyl)-alanine, and
 D-b-(2-thienyl)-alanine"

<221> VARIANT

<222> (5)...(5)

<223> Xaa= "bAla"

<400> 2

Xaa Gly Xaa Gly Xaa

1

5

<210> 3

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Trivalent Thrombin Inhibitor

<221> VARIANT

<222> (1)...(1)

<223> Xaa= "4-tert-butylbenzenesulfonyl"

<221> VARIANT

<222> (3)...(3)

<223> Xaa= "D-pipecolic acid"

<221> VARIANT

<222> (4)...(4)

<223> Xaa= "glycine, L-alanine, D-alanine,
 2-aminoisobutyric acid, L-a-aminobutyric acid,
 D-a-aminobutyric acid, L-norvaline, D-norvaline,
 L-norleucine, D-norleucine, L-cysteine,
 L-penicillamine, D-penicillamine, L-methionine,
 D-methionine, L-valine, D-valine,
 L-tert-butylglycine, D-tert-butylglycine,
 L-isoleucine, D-isoleucine, L-leucine, D-leucine,

```
<400> 3
Xaa Arg Xaa Xaa Gly Xaa Gly Xaa Asp Tyr Glu Pro Ile Pro Glu Glu
  1           5           10           15
Ala Xaa Xaa
```